

Abstract

A catalytic cracking agent, having an active component consisting of a phosphorus-modified molecular sieve and a non-phosphorus-modified molecular sieve or only consisting of a phosphorus-modified molecular sieve, characterized in that with an electron probe microanalysis (EPMA), the D value of phosphorus in the catalytic cracking agent is $\geq 65\%$, preferably $\geq 68\%$, provided that the active component consists of the phosphorus-modified molecular sieve and the non-phosphorus-modified molecular sieve, or the D value of phosphorus in the catalytic cracking agent is $\geq 82\%$, preferably $\geq 84\%$, provided that the active component only consists of the phosphorus-modified molecular sieve.

Figure 3